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FEDERAL ACTIVITIES SECTION IN ALASKA

Stanley Brust

Federal Water Pollution Control Administration
College, Alaska

8 August 1969

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ANNUAL REPORT

FY 69

FEDERAL ACTIVITIES SECTION

IN ALASKA

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Alaska Water Laboratory
Federal Water Pollution Control Administration
Northwest Region

FOREWORD

FEDERAL ACTIVITIES IN ALASKA

The Federal Activities Program in Alaska is responsible for the implementation of sections four and seven of Executive Order 11288. Included are:

1. Consult with and advise Federal agencies on pollution abatement and prevention measures.

2. Review agency pollution control plans.

3. Conduct surveillance of waste disposal practices at Federal installations.

4. Review Federal agency contract, loan, and grant activities.

At last count there were 662 Federal installations in Alaska. These include 26 agencies which are contained in 9 departments. The Federal Activities function in Alaska has a proportionately greater effect on pollution abatement than in any of the other regions because of the greater Federal impact in Alaska. It is estimated that approximately 50% of domestic sewage in Alaska originates at Federal installations. Over 90% of the total acreage in Alaska is owned by the Federal Government.

In addition to the more routine objectives of the Federal Activities function in Alaska, we have also been involved in other aspects of Federal, State, Municipal and private agency coordination. For example, this office was instrumental in initiating talks between the City of Fairbanks, the Fairbanks North Star Borough and Fort Wainwright with the purpose of evaluating an area-wide waste disposal system similar to that presently being implemented for the City of Anchorage.

Perhaps the most dramatic Federal Activity in Alaska involves our Arctic Slope operations. The Federal Activities Section in Alaska stimulated the initial contacts last March with the BLM and the U.S. Forest Service, regarding their responsibilities under Section 7 of EO 11288. These agencies are responsible for issuing right-of-way permits to the oil pipeline companies and also have the responsibility for developing stipulations in these permits for the preservation of the total environment.

Our initial effort was to make recommendations for the formulation of these stipulations. Our present effort involves gathering baseline information, ecological research of the Sag River basin, and preparation of guidelines for waste disposal on the Arctic Slope and the pipeline route.

The urgency and importance of this task had taken the full and part time efforts of over half the Alaska Water Laboratory staff as well as RO personnel. All the sections of the Research and Operation Branches are involved.

I. MAJOR ACCOMPLISHMENTS

A. Fort Wainwright Waste Disposal Project

This office was successful in initiating and coordinating discussions between the Alaska Department of Health and Welfare, the Fairbanks North Star Borough, the City of Fairbanks and Fort Wainwright. As a result the city has agreed to supplement a sanitary planning study so as to include Fort Wainwright in an areawide waste disposal plan, and the State has issued a letter to the City Engineer outlining the requirements to be met for a waste disposal system for the Fairbanks metropolitan area. The completion of the supplement to this comprehensive plan will provide the means for implementation of an area-wide waste disposal system which includes Fort Wainwright.

B. Oil Pollution At Federal Installations

In cooperation with the oil pollution section at the Anchorage Field Office this office was instrumental in alerting Federal agencies to the extent of oil pollution in Alaska. Meetings were held in Anchorage with Alaskan Command representatives for the purpose of including the three military services in the reporting network of the Alaska Contingency Plan. We are informed this is presently in process of implementation.

C. Waste Treatment Plant Operator Training

The Federal activities function at the Alaska Water Laboratory has been instrumental in focusing attention on the importance of qualified operation of proposed waste treatment facilities. This has resulted in the scheduling of a course for operator training in Anchorage which will be conducted by the Regional Training Office. It is expected that response to this course will further identify the need for an expanded operator training program in Alaska.

D. Agency Coordination And Cooperation

The Federal Activities Section at the Alaska Water Laboratory is particularly pleased with the excellent working relationships which have been developed with Federal agencies with installations in Alaska. This has resulted in the solution of many problems in an informal and expeditious manner.

One example which may be cited was the Design Review Conference in Littleton, Colorado which was coordinated by this office and which involved representatives from BIA, U.S. Public Health Service, and Alaska Department of Health and Welfare. Efforts were made to confine the scope of this meeting to the technical level and to refer any necessary policy decisions to higher authority at a later time. As a result of the technical agreements reached at this meeting over 90% of the items on the agenda were resolved and it was necessary to refer only the remainder to higher authority for policy decisions.

It was felt that this informal approach facilitates and expedites many of our agency contacts. This is particularly important in view of the limited manpower and the scope of work in the Federal Activities Section.

II. MAJOR PROBLEMS

A. Work Plan Priorities

Our work can be arbitrarily divided into two classifications. The first is work in which we do not exercise initiative. This is work which the agencies initiate such as consultations, plan review, and BOB reports. The second is work which we can initiate, such as site inspections.

Because our effectiveness depends to a large degree on our ability to respond to agency needs we have set priorities accordingly. Resource limitations will be felt first in such program elements as site inspections. We attempt to concentrate our efforts on the larger installations or those with special problems.

Much of our work is accomplished during the preliminary design stage through informal consultations and attendance at design reviews. Plan review time is thereby shortened.

B. United States Public Health Service 121 Projects

This office has not received any of these projects, which include waste disposal features, for formal review. We receive information about these projects infrequently or accidentally. One major project, at Kotzebue, involves not only Section 7 of EO 11288 but also Section 4 in that an FAA Station, a BIA School, and a PHS Hospital are proposed participants. Another project at Saxman near Ketchikan was recently disapproved by the Alaska Department of Health and Welfare. From information available to us it is understood that this situation is not limited to Alaska. We feel this is a deviation from Section 7 of EO 11288.

C. Agency Contacts

Because of our limited manpower we feel we have been unable to respond adequately to some agency needs. It is felt that more attention should be given to:

(1) DEW Line Stations. These are administered by Air Defence Command, United States Air Force from Paramus, New Jersey. We recently received information that none of these are programmed for remedial measures.

(2) White Alice. Air Force. These are administed by the Alaskan Communications Region in Anchorage. There are about 56 of these stations in Alaska. We recently received word that none of these are programmed for remedial measures.

Our proposed plan of action consists of a communication to these organizations notifying them of their responsibilities under Section 4 of EO 11288, to either program secondary treatment or to request an exception. This is particularly important on the DEW Line Stations as the success of our attempts to provide and enforce pollution control guidelines to oil companies may depend on the example set by the nearby Federal installations.

(3) National Park Service. There are four National Parks in Alaska with approximately 15 water-carriage systems. Our routine contacts are with

the Anchorage office of the National Park Service. However the technical decisions apparently are made in the San Francisco Design Office and we have not received documents for review although construction on some water-carriage system have been completed or programmed. This was disclosed during a recent site visit.

ANNUAL SUMMARY OF FEDERAL ACTIVITIES IN ALASKA *

FY 69

A. Travel Summary

(see appendix A for detailed summary)

1. No. of Trips 117

2. No. of days in Travel Status 46 days

3. % of time in Travel Status 18%

B. Project Summary

(see appendix B for list of projects)

1. No. of projects reviewed or consultations made (including site visits) 104

Total number of actions for above projects 145

	Projects	Actions
a. Air Force	14	17
b. Army	13	15
c. Alaska Railroad	1	1
d. Bureau of Indian Affairs	28	61
e. Coast Guard	12	13
f. Federal Aviation Agency	7	14
g. Public Health Service	1	2
h. Corps of Engineers Public Notices	13	13
i. Corps of Engineers Water Resources Projects	2	3
j. Bureau of Commercial Fisheries	2	4
k. U. S. Forest Service	2	2
l. U. S. Navy	2	2

2. Site Inspections (See appendix C for list of inspections)

a. No. of inspections made 20

*Summary does not include 45 site inspections made by Regional Personnel on TDY in Alaska

APPENDIX A

Travel

July 1968	3 days	Fort Greely-Northway
September 1968	2 ½ days	Juneau
November 1968	3 ¼ days	Anchorage
December 1968	2 3/4 days	Anchorage
January 1969	6 days	Littleton, Colorado
February 1969	4¼ days	Anchorage
February 1969	1 day	Anchorage
April 1969	5 ½ days	Juneau-Anchorage
May 1969	1 day	Tanana - Minchumina
May 1969	2 ½ days	Sparrvohn AFS
May 1969	2 ½ days	Anchorage
June 1969	2 3/4 days	Adak - Tanana
Totals	46 ¼ days	17 trips

Percent of time in travel status: 18%

APPENDIX B

PROJECTS REVIEWED OR CONSULTATIONS MADE (including site visits)

ALASKA RAILROAD	
Anchorage Yard	December 1968
AIR FORCE	
Adak White Alice Station	June 1969
Campion	October 1968
Cold Bay	February, March 1969
Elmendorf	
6981st area	November 1968
Air-Ground Range Project	July, August 1968
Fire Island	October, December 1968
" "	May 1969
Fort Yukon	October 1968
Galena Airport	October 1968
Indian Mountain	"
King Salmon Airport	"
Sparrvohn AFS	May 1969
Tatlina - Top Camp	January 1969
Wildwood	October 1968
ARMY	
Anchorage-Whittier Pipeline	February 1969
Arctic Valley Ski Bowl	November 1968
Ft. Greely Communications Center	July 1968
Ft. Greely Post	August, October 1968
Ft. Wainwright	August, October 1968
Nike Site Point	November 1968
" " Bay	"
" " Summit	"
Nike Sites A, B, C, D, and E	February 1969
BUREAU OF INDIAN AFFAIRS	
Atka School	January 1969
Bethel Hdqtrs	September, November 1968
	January 1969
Chefornak School	November, December 1968
	January 1969
Chevak School	December 1968, January,
	March, April, May 1969
Chignik School	July 1968, January 1969
Eek School	November 1968, January,
	March, April 1969
Elim School	January 1969
Hooper Bay	"

BUREAU OF INDIAN AFFAIRS (continued)

Kotlik School	November, December 1968
" "	January 1969
Kipnuk School	August, December 1968
" "	January 1969
Klukwan School	March, April 1969
Koyuk	January 1969
Minto School	November, December 1968
" "	January 1969
Mt. Edgecombe High School	January, May, June 1969
Napakiak School	September, November 1968
" "	January 1969
Nickolski School	January 1969
Nondalton School Expansion	July 1968
Noorvik School	September, November 1968
" "	January, April 1969
Pilot Station	January 1969
Port Graham	January 1969
Quinhagak School	August, November 1968
" "	January 1969
Savoonga Day School	July 1968
Stevens Village	October 1968, January 1969
Tetlin School	January, March, April 1969
Togiak School	January 1969
Tuntutuliak	January 1969
Wainwright School	August, December, 1968,
" "	January 1969
Wrangell School	January 1969

COAST GUARD

Adak	June 1969
Cape Decision	November 1968
Cape Hinchinbrook	" "
Cape Spencer	"
Eldred Rock	"
Five Finger	"
Guard Island	"
Lincoln Rock	"
Mary Island	"
Point Retreat	"
Spruce Cape	January 1969, November 1968
Tree Point	November 1968

CORPS OF ENGINEERS PUBLIC NOTICES (This function now transferred to Anchorage Operations office)

Cordova Dock	September 1968
Haines - Log storage	"
Jakaloff Bay - Barge moorings	November 1968
Kachemak Bay - Submarine cable	January 1969
Katznahoo Inlet - Pipeline crossing	October 1968
Kruzof Island - Log dump	October 1968
Lynn Canal - BPR Highway project	November 1968
Phillips Petroleum Kenai Outfall	January 1969
Tongass Narrows Proposed Dock	September 1968
Valdez Fueling Dock	January 1969

Corps of Engineer Public Notices (continued)

Wrangel Narrows Navigation	January 1969
Yakutat Barge Ramp	September 1968
Kenai Packers	August 1968

CORPS OF ENGINEERS WATER RESOURCE PROJECTS

Bethel Dredging Project	June 1969
Sand Point Harbor Improvement	July 1968, May 1969

FEDERAL AVIATION AGENCY

Bettles Station	October 1968, January,
" "	February, May 1969
Big Lake Station	November 1968
Fairbanks Admin. Site	September, October 1968
Kotzebue Station	January, February 1969
Minchumina Station	May 1969
Murphy Dome Station	August, September 1968
Tanana Station	October 1968, May 1969

PUBLIC HEALTH SERVICE

Tanana Hospital	October 1968, May 1969

BUREAU OF COMMERCIAL FISHERIES

St. Paul Island	May, June 1969
St. George Island	May, June 1969

U. S. FOREST SERVICE

Mendenhall Glacier Visitors Center	May 1969
Mendenhall Campground	May 1969

U. S. NAVY

Adak Naval Station	June 1969
Adak Naval Communication Station	June 1969

APPENDIX C

SITE INSPECTIONS

AIR FORCE	
Adak White Alice Station	June 1969
Fire Island AFS	May 1969
Indian Mountain AFS	October 1968
Sparrvohn AFS	May 1969
ALASKA RAILROAD	
Anchorage Yard	November 1968
ARMY	
Arctic Valley Ski Lodge	November 1968
Nike Site Summit	November 1968
Nike Site Bay	"
Nike Site Point	"
Nike Site A	February 1969
Nike Site B	"
Nike Site C	"
Nike Site D	"
Nike Site E	"
BUREAU OF INDIAN AFFAIRS	
Stevens Village School	October 1968
FEDERAL AVIATION ADMINISTRATION	
Bettles	October 1968
Big Lake	November 1968
U. S. NAVY	
Adak Naval Station	June 1969
Adak Naval Communication Station	June 1969
U. S. COAST GUARD	
Adak Loran Station	June 1969

TODD DIVISION Form G567 REPRODUCIBLE

Project Title	Organization Code	Branch	FY	Project #	Modificat
Federal Activities in Alaska	9889	FAC	70	1	

Project Leader	New ☐ Continued ☐	Date of Submittal -- Original: July 9, 1969
Stanley Brust	Revised ☐ Cancelled ☐	This Modification: August 8, 1969

1. Geographical Location(s): State of Alaska

2. Date Project to be Initiated: July 1, 1969
   Project Completion Date: June 30, 1970

3. Purpose: To discharge FWPCA obligations under EO 11288.

1. Assist in the development and implementation of phased and orderly plans for preventing or abating water pollution in existing Federal installations.
2. Review and advise as to adequacy and effectiveness of proposed water pollution control measures at Federal facilities
3. Develop and maintain record and reporting system on Federal installations in Alaska.
4. Review Federal water resource projects in Alaska, for impact of associated facilities on water quality.
5. Review Federal agency contract, loan, and grant activities in Alaska, excluding Corps of Engineers dredging permits.
6. Review water pollution control practices at existing installations.

4. Objectives:

1. To correct or prevent waste disposal deficiencies at Federal installations and to insure that corrective steps are consistent with applicable Federal and State water quality standards and E.O. 11288.
2. To effect improvements on pollution control measures at Federally sponsored activities such as Timber Contracts, leases, and other loan, grant, or permit activities.
3. To review Federal water resource projects such as reservoirs, power projects, etc., for impact of associated faciliti on water quality.

5. Scope:

1. Due to staff limitations, larger installations, or those with special problems will be given highest priority.
2. All applicable Federal agency contract, loan and grant projects in Alaska will be reviewed, except Corps of Engineers permits.
3. All water resource projects in Alaska will be reviewed for impact of associated facilities on water quality

BURROUGHS CORPORATION TODD DIVISION — Form G567 REPRODUCIBLE

Project Title	Organization Code	Branch	FY	Project #	Modification
Federal Activities in Alaska	9889	FAC	70	1	

Project Leader: Stanley Brust

New ( ) Continued ( ) Revised ( ) Cancelled ( )

Date of Submittal -- Original: July 9, 1969

This Modification: August 8, 1969

6. Work Plan: (List the major milestone events or units of work to be accomplished which will provide significant measures of project progress or output.)

Event #	
	1. Review BOB A-81 Reports on an annual basis.
	2. Plan review and coordination of plan review with State agencies (approximately 35 per year estimated).
	3. Consulting with and advising agency planning and engineering offices on technical and administrative aspects waste treatment, impact of proposed projects on water quality, and operation of treatment facilities (about 5 per year estimated).
	4. Conferring with agencies on loan, grant and contract activities (about 20 projects per year estimated).
	5. Review of plans and reports on Federal water resource projects, as they are proposed by construction agencies (about 10 per year estimated)
	6. Site visits to review waste disposal practices at existing Federal Installations (Proposed schedule is attach

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WASTE DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS

Proposed Schedule of Visits, FY 70
(August 7, 1969)

Date	Place	Installation
July 10,11	Kenai Peninsula	Chugach Nat'l Forest (15 installations)
July 22,23	Mt.McKinley Nat'l Park	Mt. McKinley Nat'l Pk (7 installations)
Aug. 1	Nenana	FAA Station
	North Nenana	FAA Station
	Big Delta	FAA Station
Aug.11 thru	Arctic Coast	7 DEWline Stations
	Barrow	BIA School
	Barrow	U.S. Navy
	Barrow	Weather Bureau
Aug. 19	Wainwright	BIA School
Aug. 20	Kotzebue	PHS Hospital
Aug. 20	Kotzebue	FAA
Aug. 21	Kotzebue	AF
Sept. 15	Cape Romanzoff	AF Station
Sept. 16	weather allowance	
Sept 17	Hooper Bay	BIA School
Sept. 18	Tununak	BIA School
Sept. 19	Quinhagak	BIA School
Oct. 13	Black Rapids	Army Training Site
Oct. 15	Tanacross	Army Pump Station
Oct. 16	Tetlin	BIA School
Nov. 16	Summit	FAA Station
Nov. 17	Skwentna	FAA Station
March 15	Gustavus	FAA Station
March 16	Gustavus	Glacier Bay Nat'l Park
March 17	Yakutat	5 installations
March 20	Cape Yakataga	FAA Station
March 22	Cordova	3 stations

Project Title: Federal Activities in Alaska	Organization Code: 9889	Branch: FAC	Div: 70	Project # 1	Modification #
Project Leader: Stanley Brust	New ⇨ Continued ⇨ / Revised ⇨ Cancelled ⇨	Date of Submitted -- Original: July 9, 1969		This Modification: August 8, 1969	

7. Work Plan Schedule:

Event #		1st Quarter			2nd Quarter			3rd Quarter			4th Quarter			Totals
		July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
1.	Review BOB A-81 Reports													
	Chief-S. Brust	40	40	40										120
	Sanitary Engineer - vacant	40	40	40										120
2.	Plan Review													
	Chief-S. Brust	40	20	40	60	60	60	60	60	60	60	60	60	640
	Sanitary Engineer - vacant	40	40	40	60	50	70	70	60	60	60	60	60	680
3.	Consulting with Agencies													
	Chief - S.Brust	40	20	40	60	60	60	60	60	60	60	60	60	640
	Sanitary Engineer - vacant	10	10	10	50	50	60	60	50	50	50	50	50	500
4.	Section 7 Activities													
	Chief - S. Brust	13	7	7	17	17	17	17	17	17	17	17	17	180
	Sanitary Engineer - vacant	2	2	2	2	2	2	2	2	2	2	2	2	24
5.	Section 6 Activities													
	Chief - S. Brust		6	7	16	16	17	16	16	17	16	16	17	160
	Sanitary Engineer - vacant	1	1	2	1	1	2	1	1	2	1	1	2	16
6.	Site Visits													
	Chief - S. Brust	40	80	40	20	20	20	20	20	20	20	20	20	340
	Sanitary Engineer - vacant	80	80	80	60	60	40	40	60	60	60	60	60	740
7.	Unallocated Time													
	Clerk-DMT - Ele Pierce	173	173	174	173	173	174	173	173	174	173	173	174	2080
	XXXXXXXXXXXXXXXXXXXXXXXX													
	See the following pages													
51	Totals for greater detail.													
	XXXXXXXXXXXXXXXXXXXXXXXX													

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BURROUGHS CORPORATION TODD DIVISION — Hadley Form C667 REPRODUCIBLE

Project Title: Federal Activities in Alaska	Organization Code: 9889	Program: FAC	Project #: 70	1	Modification #:
Project Leader: Stanley Brust	New ⇨ Continued ⇨ / Revised ⇨ Cancelled ⇨	Date of Submitted -- Original: July 9, 1969	This Modification: August 8, 1969		

7. Work Plan Schedule:

Event #		1st Quarter			2nd Quarter			3rd Quarter			4th Quarter			Totals
		July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
1.	Review BOB A-81 Reports													
	Chief-S. Brust	40	40	40										120
	Sanitary Engineer - vacant	40	40	40										120
2.	Plan Review													
	Chief-S. Brust	40	20	40	60	60	60	60	60	60	60	60	60	640
	Sanitary Engineer - vacant	40	40	40	60	50	70	70	60	60	60	60	60	680
3.	Consulting with Agencies													
	Chief - S.Brust	40	20	40	60	60	60	60	60	60	60	60	60	640
	Sanitary Engineer - vacant	10	10	10	50	50	60	60	50	50	50	50	50	500
4.	Section 7 Activities													
	Chief - S. Brust	13	7	7	17	17	17	17	17	17	17	17	17	180
	Sanitary Engineer - vacant	2	2	2	2	2	2	2	2	2	2	2	2	24
5.	Section 6 Activities													
	Chief - S. Brust		6	7	16	16	17	16	16	17	16	16	17	160
	Sanitary Engineer - vacant	1	1	2	1	1	2	1	1	2	1	1	2	16
6.	Site Visits													
	Chief - S. Brust	40	80	40	20	20	20	20	20	20	20	20	20	340
	Sanitary Engineer - vacant	80	80	80	60	60	40	40	60	60	60	60	60	740
7.	Unallocated Time													
	Clerk-DMT - Ele Pierce	173	173	174	173	173	174	173	173	174	173	173	174	2080
	Totals													

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Project Title	Organization Code	Branch	FY	Project #	Modification #
Federal Activities	9839	FAC	70	1	

Project Leader: Stanley Brust

New ⇨ Continued ⇨ Revised ⇨ Cancelled ⇨

Date of Submittal -- Original: July 9, 1969

This Modification: August 8, 1969

8. Personnel Summary

Position Title	Incumbent	Grade	Hourly Rate	1st Quarter Man Hrs	1st Quarter $	2nd Quarter Man Hrs	2nd Quarter $	3rd Quarter Man Hrs	3rd Quarter $	4th Quarter Man Hrs	4th Quarter $	Totals Man Hrs	Totals $
Chief, Federal Act.-Sec	Stanley Brust	GS-13		520	5,288	520	5,288	520	5,288	520	5,288	2080	21,152
Sanitary Engineer	vacant	GS-12		520	4,522	520	4,522	520	4,522	520	4,522	2080	18,088
Clerk-DMT	E. L. Pierce	GS-5		520	2,066	520	2,098	520	2,098	520	2,200	2080	8,462
						XXXXXXXXXXXXXXXXXXXXXXXX See the following pages for greater detail. XXXXXXXXXXXXXXXXXXXXXXXX							
TOTALS													

Project Title	Organization Code	Branch	FY	Project #	Modification #
Federal Activities	9839	FAC	70	1	

Project Leader: Stanley Brust

New ⊃ Continued ⊃ Revised ⊃ Cancelled ⊃

Date of Submittal -- Original: July 9, 1969

This Modification: August 8, 1969

8. Personnel Summary

Position Title	Incumbent	Grade	Hourly Rate	1st Quarter Man Hrs.	1st Quarter $	2nd Quarter Man Hrs.	2nd Quarter $	3rd Quarter Man Hrs.	3rd Quarter $	4th Quarter Man Hrs.	4th Quarter $	Totals Man Hrs.	Totals $
Chief, Federal Act. Sec.	Stanley Brust	GS-13		520	5,288	520	5,288	520	5,288	520	5,288	2080	21,152
Sanitary Engineer	vacant	GS-12		520	4,522	520	4,522	520	4,522	520	4,522	2080	18,088
Clerk-DMT	E. L. Pierce	GS-5		520	2,066	520	2,098	520	2,098	520	2,200	2080	8,462

Project Title: Federal Activities	Organization Code: 9889	Branch: FAC	FY: 70	Project #: 1	Modification #:
Project Leader: Stanley Brust	New ○ Continued ○ Revised ○ Cancelled ○	Date of Submittal -- Original: July 9, 1969 This Modification: August 8, 1969			

9. Project Cost Summary

Obj. Class		1st Quar $	2nd Quar $	3rd Quar $	4th Quar $	Totals $
11	Personnel Compensation					
	Permanent Pay	7,404	7,404	7,404	7,404	29,616.00
	Overtime	-	-	-	-	-
	Consultant Pay					
	Other Temporary					
	COLA	1,851	1,851	1,851	1,851	7,404.00
12	Personnel Benefits	555	555	555	555	2,220.00
	Total (Personnel/Compensation & Benefits)	11,876	11,908	11,908	12,010	47,702.00
21	Travel (Attach Schedule ___)	3,000	10,000	2,000	3,000	18,000.00
22	Transportation	100	100	100	100	400.00
23	Rents, Communications & Utilities					
24	Printing & Reproduction	100	100	100	100	400.00
25	Other Services: (Attach Schedule ___) Total	75	75	75	75	300.00
	Research Contracts	( )	( )	( )	( )	( )
	Other Contracts	( )	( )	( )	( )	( )
	ADP Services	( )	( )	( )	( )	( )
	Other Government Agencies	( )	( )	( )	( )	( )
26	Supplies and Materials	798	800	800	800	3,198.00
31	Equipment: (Attach Schedule ___) XXXXXXXXXXXXXXXXXXXXXXXXXXXX					
	Scientific and Technical See the following pages for greater detail.	( )	( )	( )	( )	( )
	Other XXXXXXXXXXXXXXXXXXXXXXXXXX	( )	( )	( )	( )	( )
41	Grants					
	Other					
	TOTAL COSTS	15,949	22,983	14,983	16,085	70,000.00

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Project Title: Federal Activities	Organization Code: 9889	Branch: FAC	FY: 70	Project #: 1	Modification #
Project Leader: Stanley Brust	New ○ Continued ○ Revised ○ Cancelled ○	Date of Submittal -- Original: July 9, 1969 This Modification: August 8, 1969			

Obj. Class	9. Project Cost Summary	1st Quar $	2nd Quar $	3rd Quar $	4th Quar $	Totals $
11	Personnel Compensation					
	Permanent Pay	7,404	7,404	7,404	7,404	29,616.00
	Overtime	-	-	-	-	-
	Consultant Pay					
	Other Temporary					
	COLA	1,851	1,851	1,851	1,851	7,404.00
12	Personnel Benefits	555	555	555	555	2,220.00
	Total (Personnel/Compensation & Benefits)	11,876	11,908	11,908	12,010	47,702.00
21	Travel (Attach Schedule ___)	3,000	10,000	2,000	3,000	18,000.00
22	Transportation	100	100	100	100	400.00
23	Rents, Communications & Utilities					
24	Printing & Reproduction	100	100	100	100	400.00
25	Other Services: (Attach Schedule ___) Total	75	75	75	75	300.00
	Research Contracts	( )	( )	( )	( )	( )
	Other Contracts	( )	( )	( )	( )	( )
	ADP Services	( )	( )	( )	( )	( )
	Other Government Agencies	( )	( )	( )	( )	( )
26	Supplies and Materials	798	800	800	800	3,198.00
31	Equipment: (Attach Schedule ___) Total					
	Scientific and Technical	( )	( )	( )	( )	( )
	Other	( )	( )	( )	( )	( )
41	Grants					
	Other					
	TOTAL COSTS	15,949	22,983	14,983	16,085	70,000.00

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